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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,961	05/30/2006	Marie Eskling	4614-0182PUS1	9435
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALL COULDING AND OZAZ			EXAMINER	
			BASI, NIRMAL SINGH	
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
			1646	
			NOTIFICATION DATE	DELIVERY MODE
			07/01/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

	Application No.	Applicant(s)		
	10/560,961	ESKLING ET AL.		
Office Action Summary	Examiner	Art Unit		
	NIRMAL S. BASI	1646		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	L. viely filed the mailing date of this communication.		
Status				
1) Responsive to communication(s) filed on 16 A 2a) This action is FINAL . 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under E	action is non-final.			
Disposition of Claims				
4) Claim(s) <u>1-53</u> is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) <u>1-53</u> are subject to restriction and/or expending the application of the application and/or expenses.	wn from consideration.			
Application Papers				
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the Edrawing(s) be held in abeyance. Seetion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite		

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-33 and 49-53 drawn to method for purification of an EGFR family derived protein.

Group II, claim(s) 34 and 35, 45 drawn to immunogenic variant of HER-2 protein.

Group III, claim(s) 36-44, 46, drawn to nucleic acid fragment that encodes the immunogenic variant of HER-2 protein, vector comprising said fragment and cell comprising said vector.

Group IV, claim(s) 47, drawn to method for immunizing a human against autologous HER-2 using the immunogenic variant of HER-2 protein.

Group V, claim(s) 47, drawn to method for immunizing a human against autologous HER-2 using the immunogenic vector comprising variant of HER-2 protein.

The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: a) Document D1 (documents submitted with 371 Application on 12/14/05), which is considered to represent the most relevant state art, discloses (abstract; sections 2.3.4-2.3.6; page 116, left column, lines 1-3) a method for the purification of a recombinant protein comprising dialysis, metal affinity chromatography, size exclusion chromatography, anion exchange chromatography. From this, the subject-matter of claim 1 differs in that a method for the purification of an other protein is claimed. The problem to be solved by present claim 1 may therefore be regarded as the provision of a method for the purification of a protein. The solution proposed, namely the provision of a method for the purification of an EGFR family derived protein (such as HER-2) cannot be considered as involving an inventive step for the following reasons: In view of the disclosure in document D1, the skilled person would regard it as obvious to combine

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several purification methods, such as those disclosed in D1 for the purification of HER-2. The skilled person would proceed without the use of inventive skill, using common knowledge and routine only, with a reasonable expectation of success. In conclusion, the subject-matter of claim 1 does not involve an inventive step. The subject matter of claims 2-33 does not seem to add subject matter that would render this part of the application inventive. Therefore, the subject matter of claims 1-33 does not satisfy the criterion set forth in Article 33(3) PCT. b)

The identification of a suitable purification scheme is an elaborate process which requires a lot of experimentation before a useful set of steps are found for the particular protein and raw material in question. Finding an advantageous combination of methods amongst a large number of possibilities is certainly time consuming. However, the method as claimed is a normal combination of standard techniques that the person skilled in the art would consider. There not appear to be a surprising effect linked to the specific combination. In conclusion, no inventive step can be acknowledged at present.

The method of purification used in the claimed methods lacks an inventive step and therefore a technical relationship does not exist between the claimed groups. Therefore, the claims are not so linked by a special technical feature within the meaning of PCT Rule 13.2 so as to form a single inventive concept.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

- 2. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 3. The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and the product claims are

subsequently found allowable, withdrawn process claims that depend from or otherwise require all the limitations of the allowable product claim will be considered for rejoinder.

All claims directed to a nonelected process invention must require all the limitations of an allowable product claim for that process invention to be rejoined.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103 and 112. Until all claims to the elected product are found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowable product claim will not be rejoined. See MPEP § 821.04(b). Additionally, in order to retain the right to rejoinder in accordance with the above policy, applicant is advised that the process claims should be amended during prosecution to require the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder. Further, note that the prohibition against double patenting rejections of 35 U.S.C. 121 does not apply where the restriction requirement is withdrawn by the examiner before the patent issues. See MPEP § 804.01.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIRMAL S. BASI whose telephone number is (571)272-0868. The examiner can normally be reached on 9:00 AM-5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Nickol can be reached on 571-272-0835. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nirmal S. Basi/

Examiner, Art Unit 1646

/Gary B. Nickol /

Supervisory Patent Examiner, Art Unit 1646